

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006647.D
 Acq On : 19 Dec 2018 19:51
 Operator : JC/MD
 Sample : J6479-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

Quant Time: Dec 20 04:37:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	611079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	988405	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	905849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	431027	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	341550	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
35) Dibromofluoromethane	5.50	113	292720	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
50) Toluene-d8	8.71	98	1170060	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	424307	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

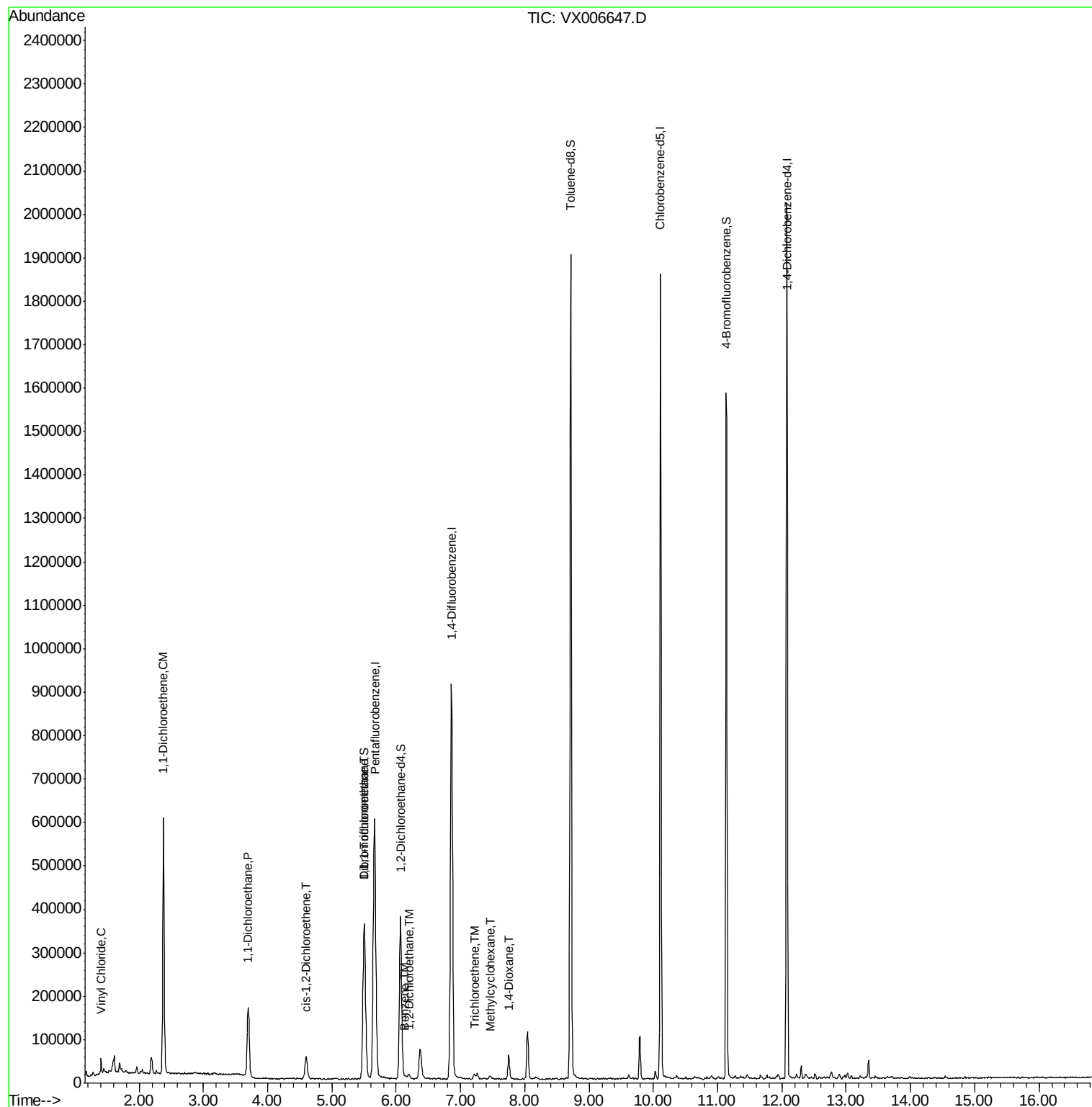
						Qvalue
4) Vinyl Chloride	1.41	62	19509	3.102	ug/l	92
12) 1,1-Dichloroethene	2.38	96	207110	37.934	ug/l	97
24) 1,1-Dichloroethane	3.70	63	187424	18.674	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	35495	5.318	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	20259	2.308	ug/l	97
39) Methylcyclohexane	7.47	83	3584	0.333	ug/l #	80
40) Benzene	6.14	78	6636	0.267	ug/l #	88
42) 1,2-Dichloroethane	6.20	62	11947	1.409	ug/l	92
44) Trichloroethene	7.22	130	4905	0.651	ug/l	83
49) 1,4-Dioxane	7.75	88	43915	239.470	ug/l	95

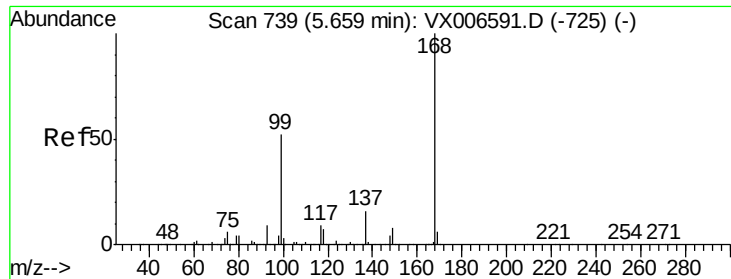
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampled :

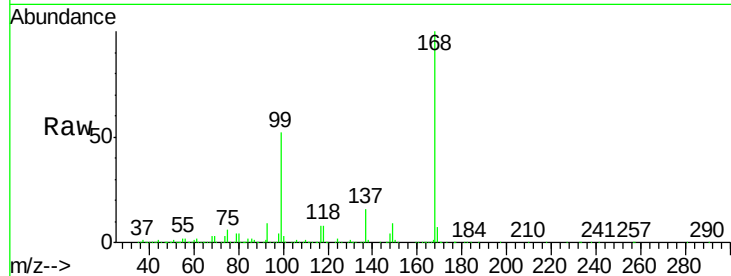
DUP-1

Tot Ion:168 Resp: 611079

Ion Ratio Lower Upper

168 100

99 51.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

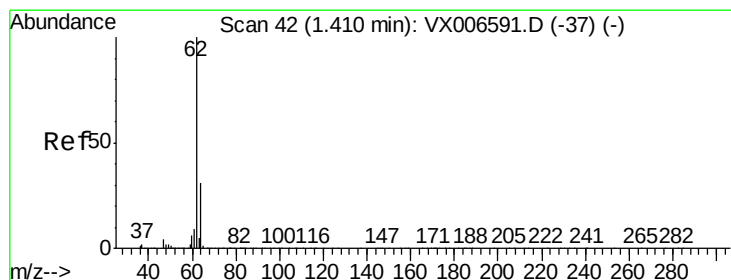
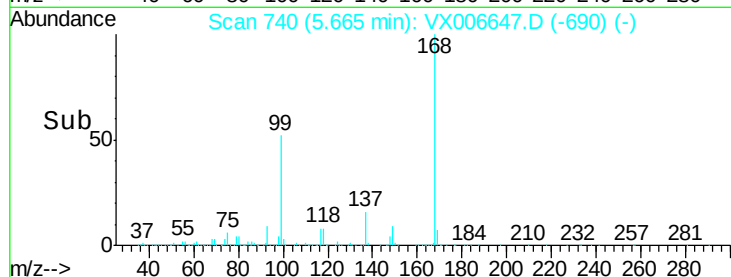
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 3.102 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006647.D

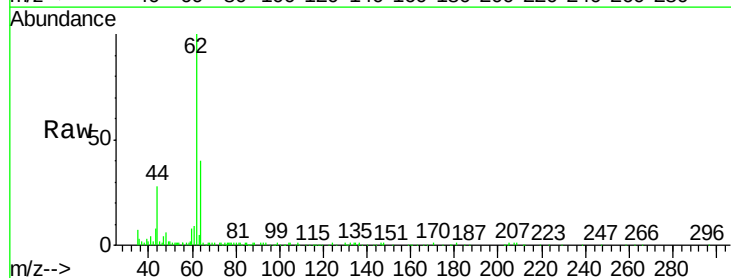
Acq: 19 Dec 2018 19:51

Tgt Ion: 62 Resp: 19509

Ion Ratio Lower Upper

62 100

64 36.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

20000

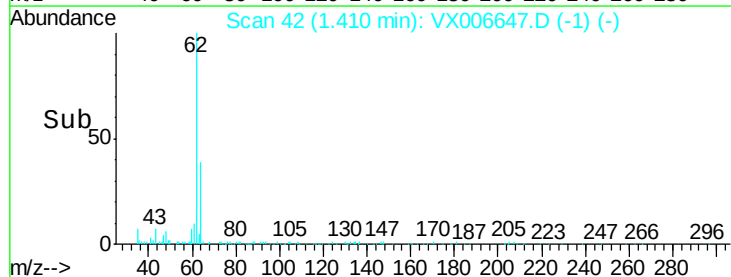
15000

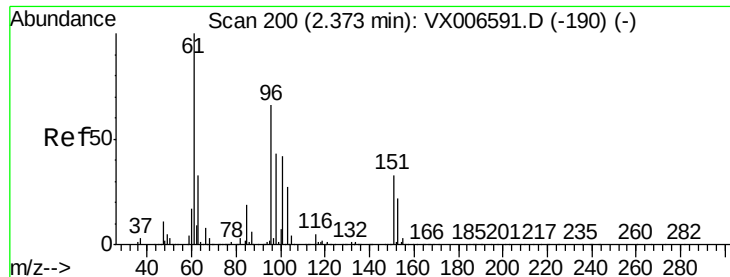
10000

5000

0

Time--> 1.35 1.40 1.45





#12

1,1-Dichloroethene

Concen: 37.934 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

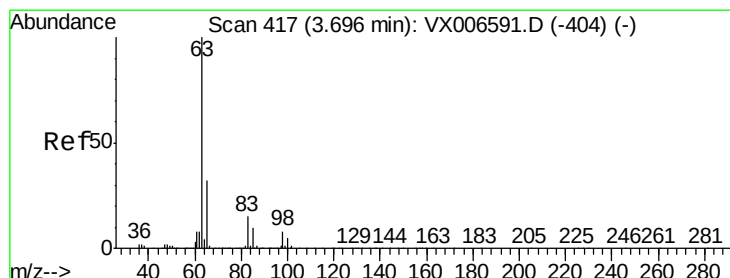
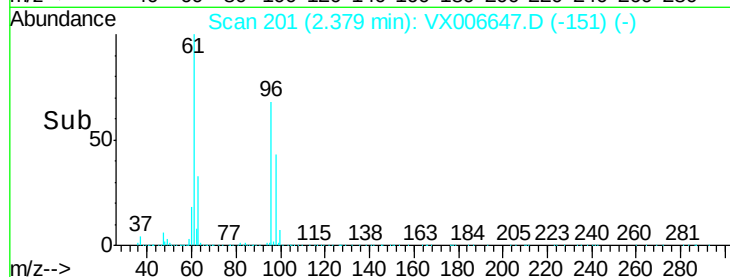
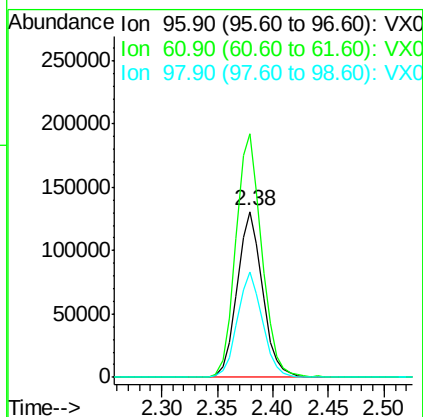
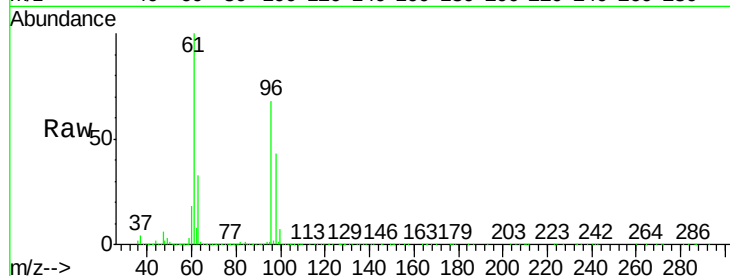
Tot Ion: 96 Resp: 207110

Ion Ratio Lower Upper

96 100

61 147.0 121.4 182.2

98 63.7 51.9 77.9



#24

1,1-Dichloroethane

Concen: 18.674 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

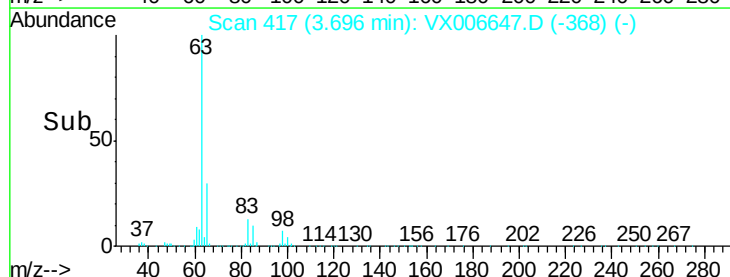
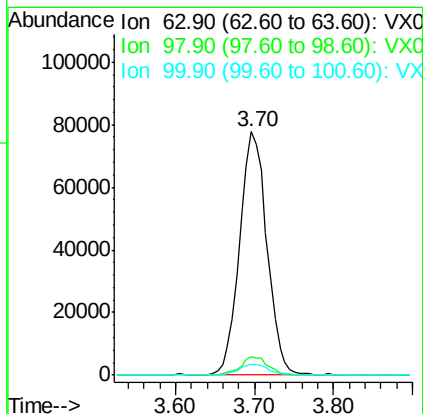
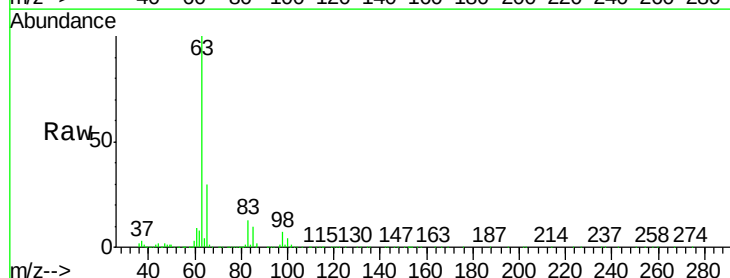
Tgt Ion: 63 Resp: 187424

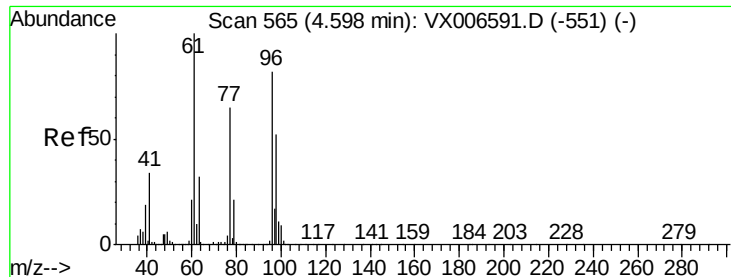
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.2 2.4 7.2



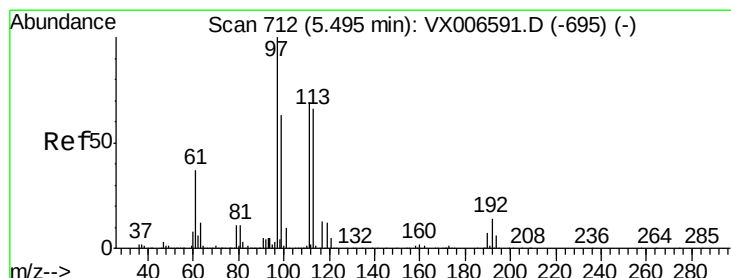
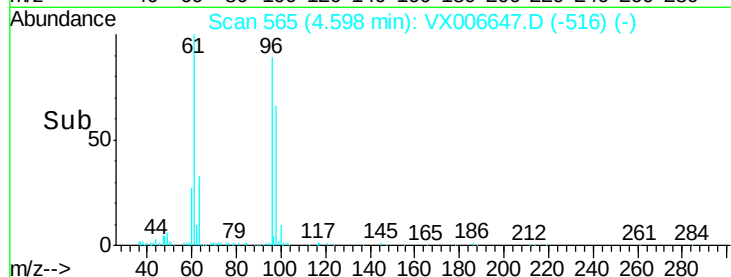
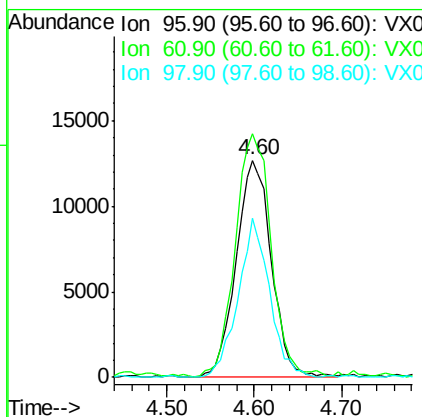
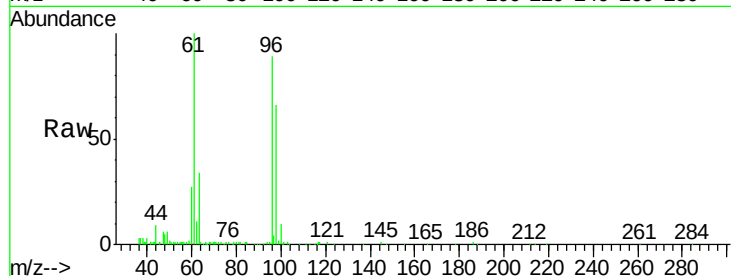


#27

cis-1,2-Dichloroethene
Concen: 5.318 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006647.D
Acq: 19 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
DUP-1

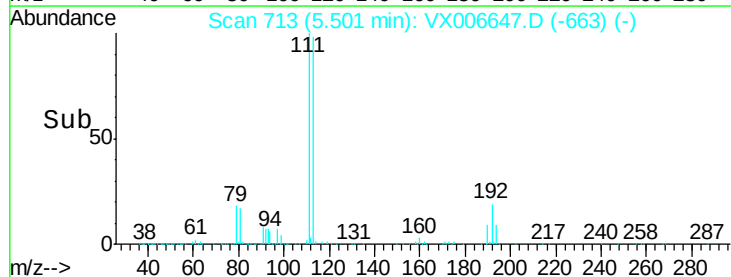
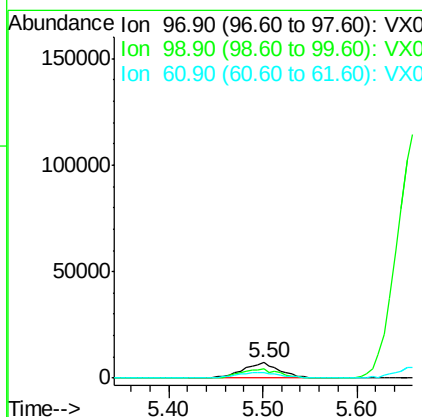
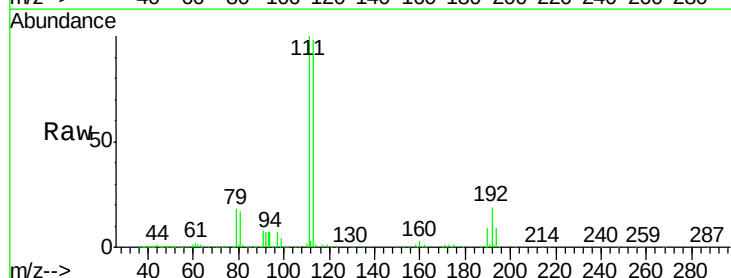
Tot Ion	Ratio	Lower	Upper
96	100		
61	112.2	0.0	258.6
98	65.4	0.0	132.0

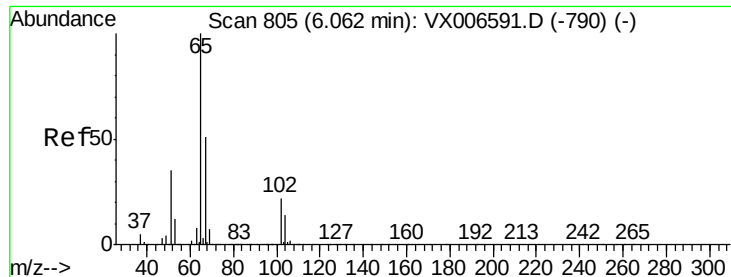


#32

1,1,1-Trichloroethane
Concen: 2.308 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX006647.D
Acq: 19 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.7	77.5
61	41.7	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 51.860 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

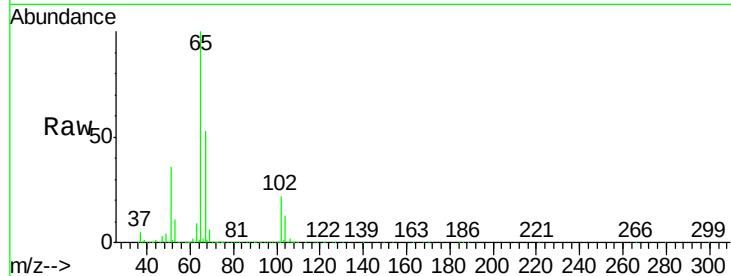
DUP-1

Tot Ion: 65 Resp: 341550

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

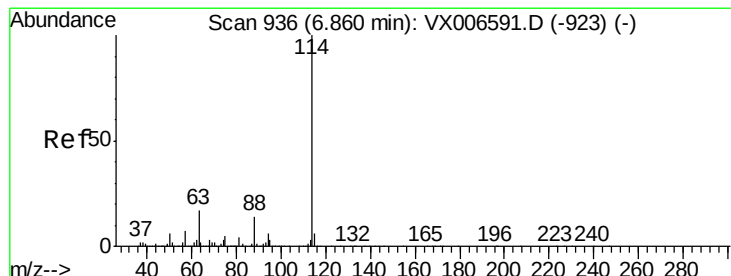
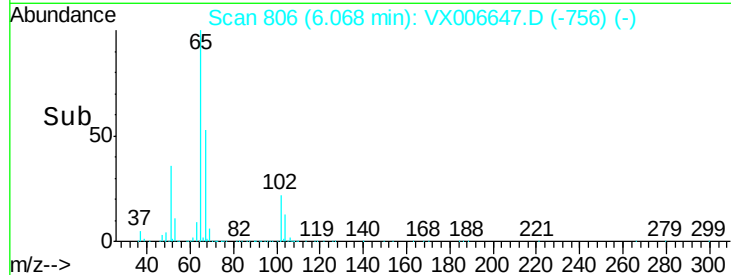
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

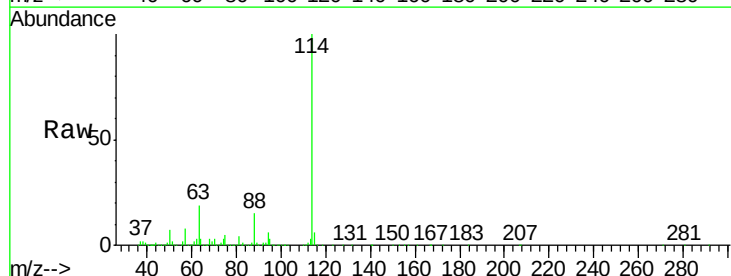
Tgt Ion: 114 Resp: 988405

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

88 14.8 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

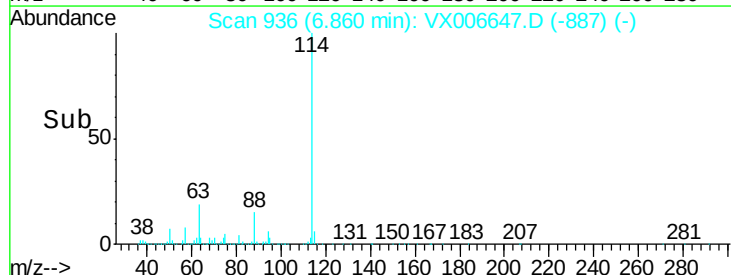
300000

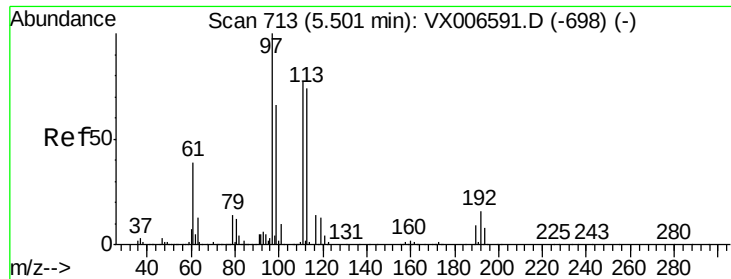
200000

100000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 46.832 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

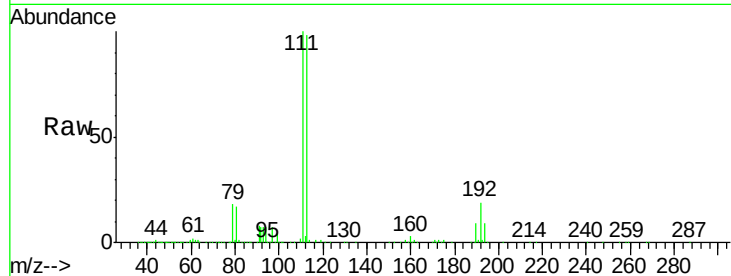
Tot Ion:113 Resp: 292720

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

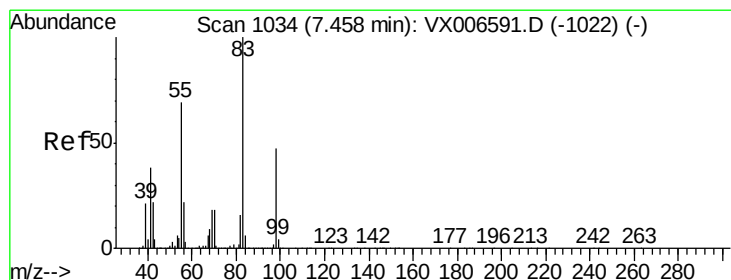
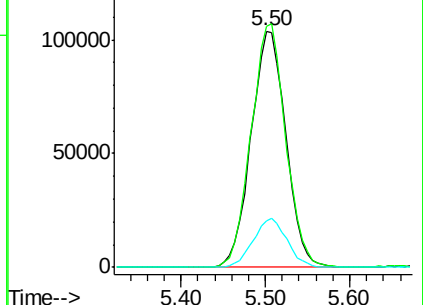
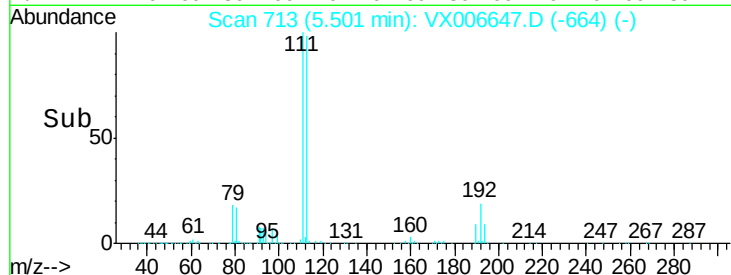
192 20.2 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 0.333 ug/l

RT: 7.47 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

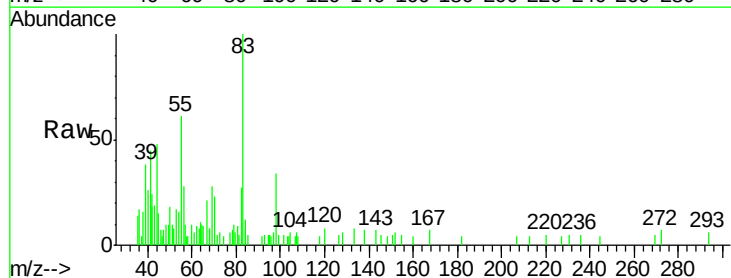
Tgt Ion: 83 Resp: 3584

Ion Ratio Lower Upper

83 100

55 53.1 54.9 82.3#

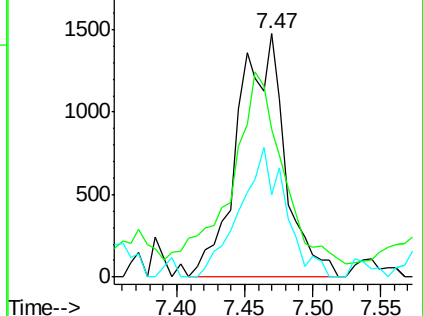
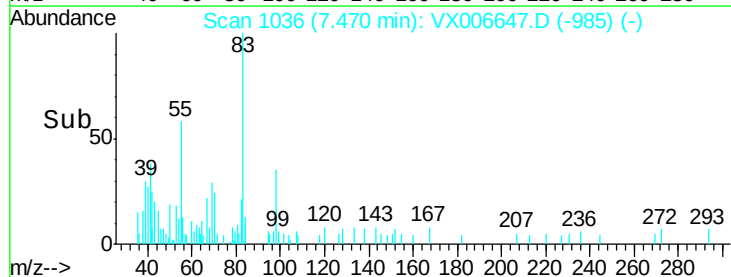
98 33.7 37.9 56.9#

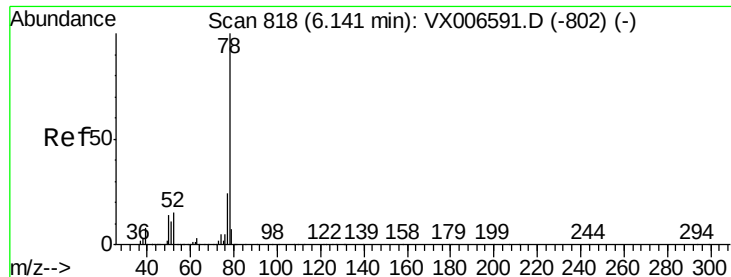


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.267 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

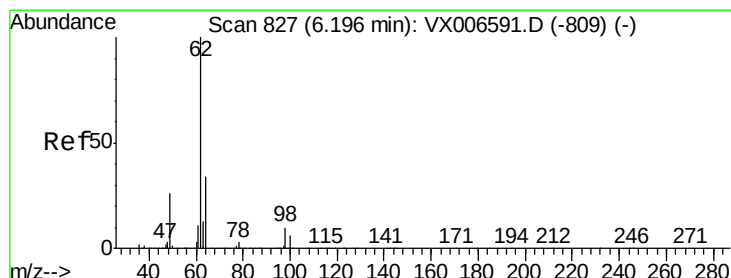
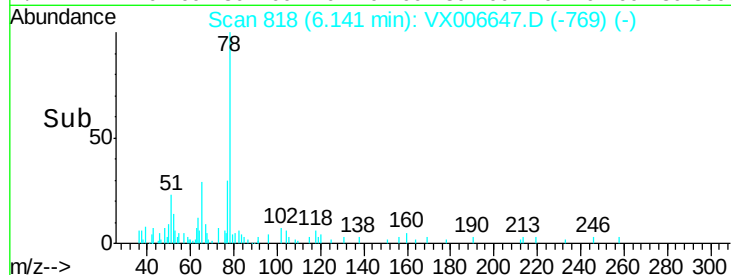
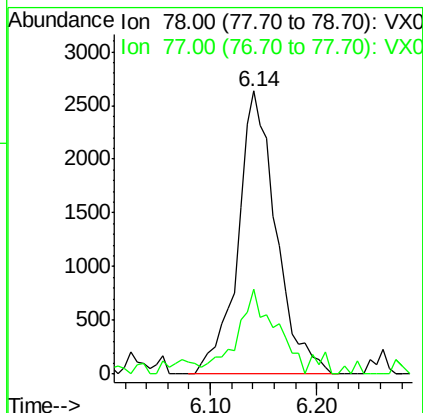
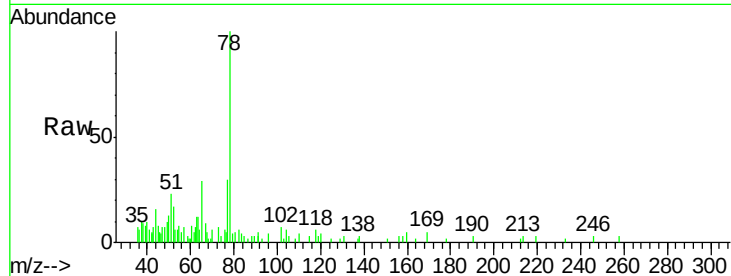
DUP-1

Tot Ion: 78 Resp: 6636

Ion Ratio Lower Upper

78 100

77 30.1 19.2 28.8#



#42

1,2-Dichloroethane

Concen: 1.409 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006647.D

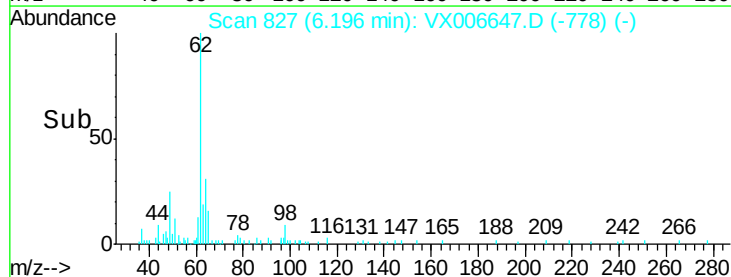
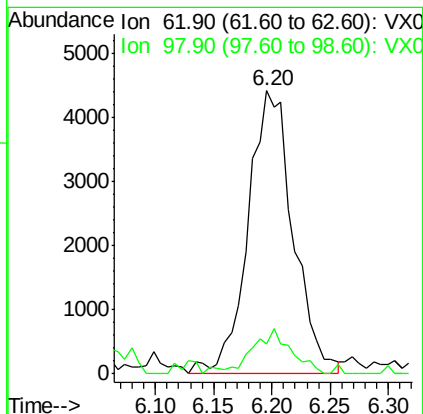
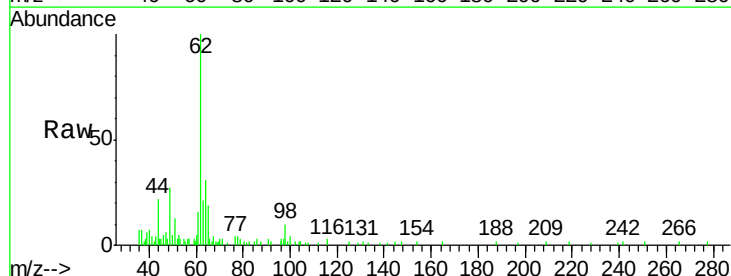
Acq: 19 Dec 2018 19:51

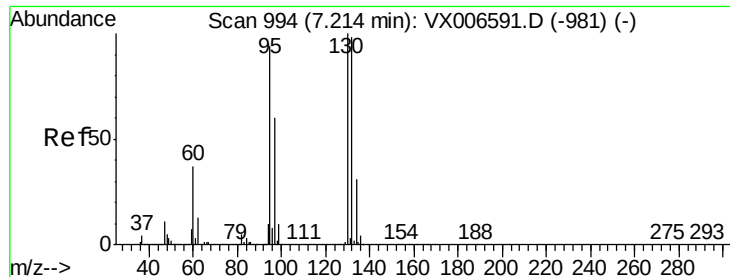
Tgt Ion: 62 Resp: 11947

Ion Ratio Lower Upper

62 100

98 13.2 0.0 20.2





#44

Trichloroethene

Concen: 0.651 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampled :

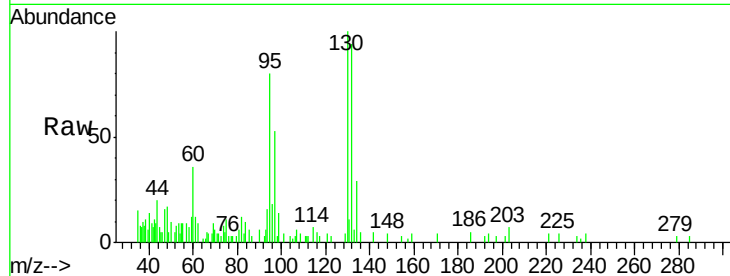
DUP-1

Tot Ion:130 Resp: 4905

Ion Ratio Lower Upper

130 100

95 77.4 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

2000

1500

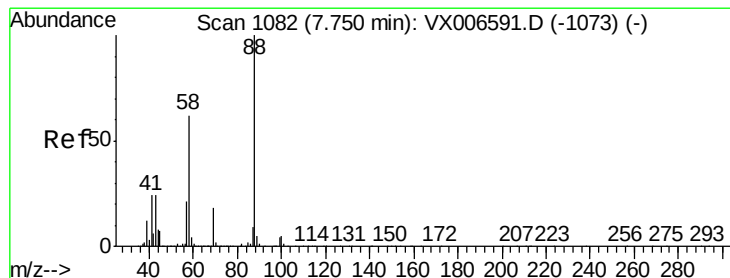
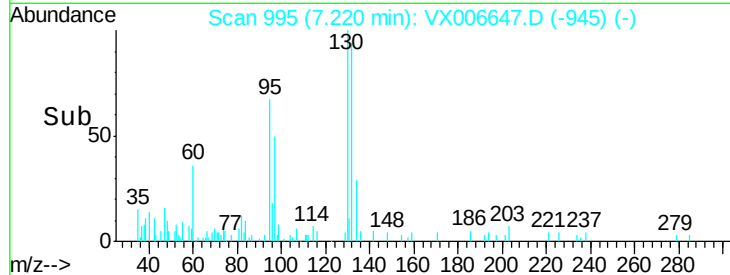
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 239.470 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006647.D

Acq: 19 Dec 2018 19:51

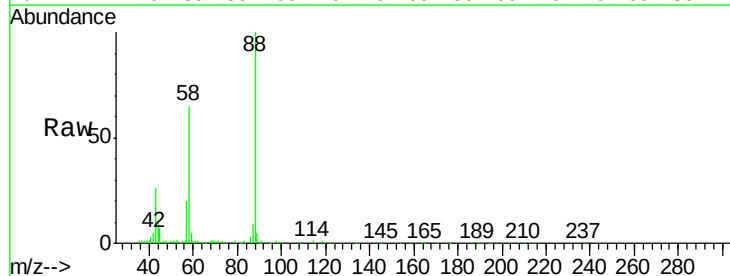
Tgt Ion: 88 Resp: 43915

Ion Ratio Lower Upper

88 100

43 24.0 22.2 33.4

58 67.1 51.0 76.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

7.75

30000

25000

20000

15000

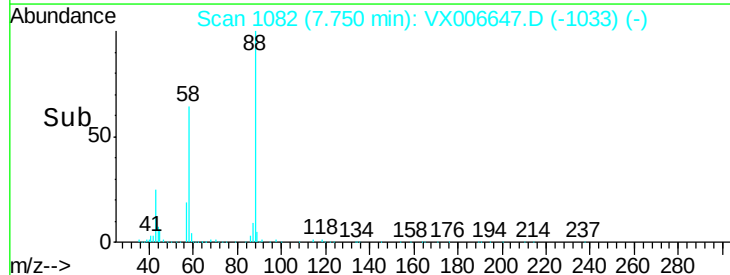
10000

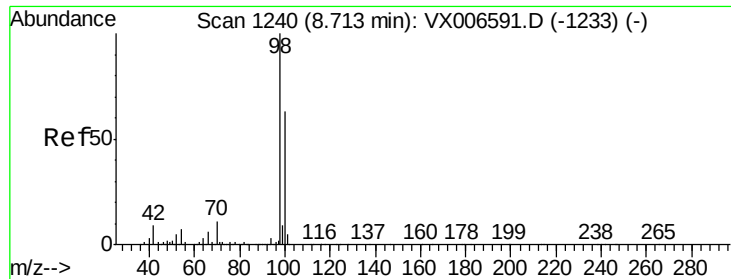
5000

0

7.65 7.70 7.75 7.80 7.85

Time-->

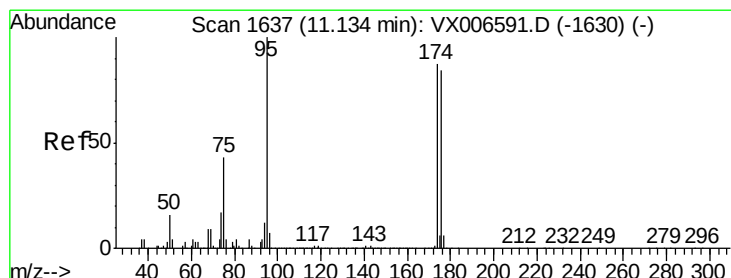
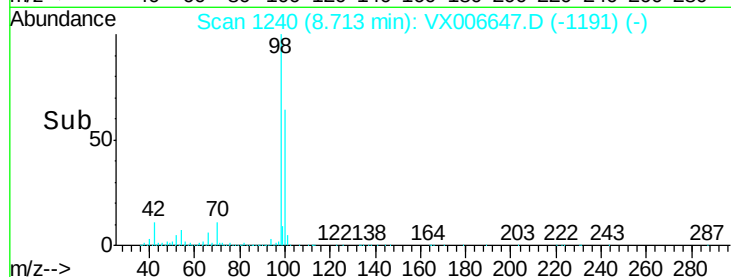
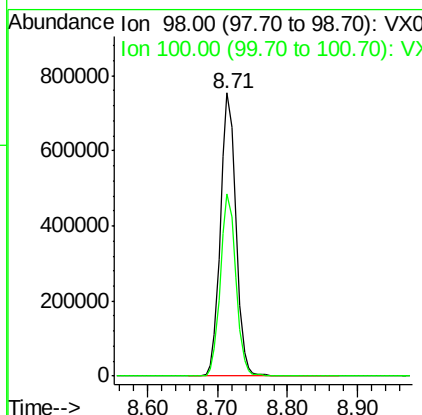
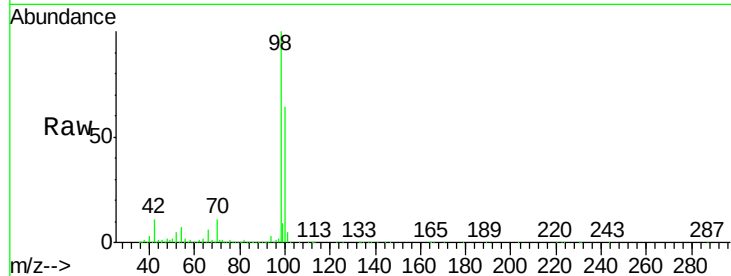




#50
Toluene-d8
Concen: 49.653 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006647.D
Acq: 19 Dec 2018 19:51

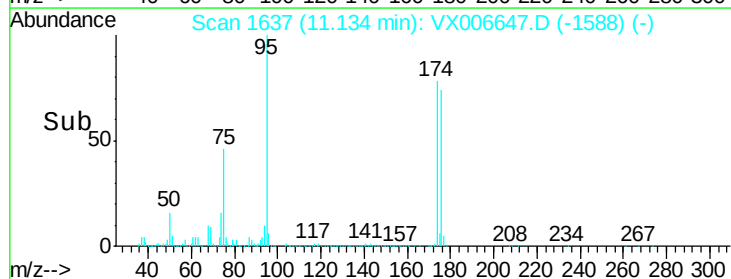
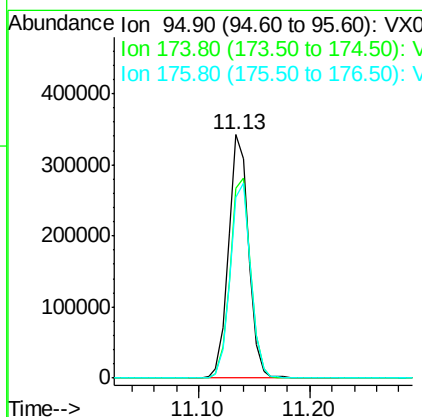
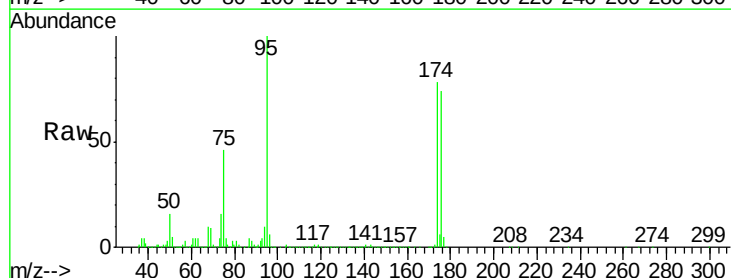
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

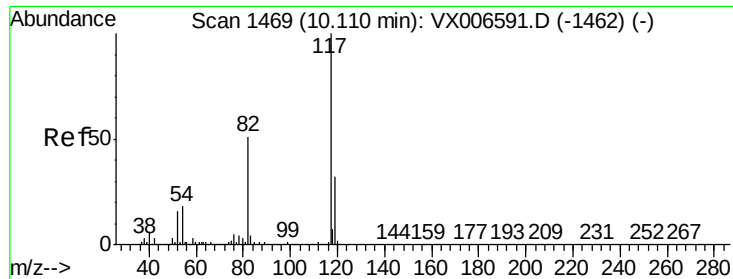
Tot Ion: 98 Resp: 1170060
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.165 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006647.D
Acq: 19 Dec 2018 19:51

Tgt Ion: 95 Resp: 424307
Ion Ratio Lower Upper
95 100
174 84.6 0.0 182.2
176 82.2 0.0 178.8

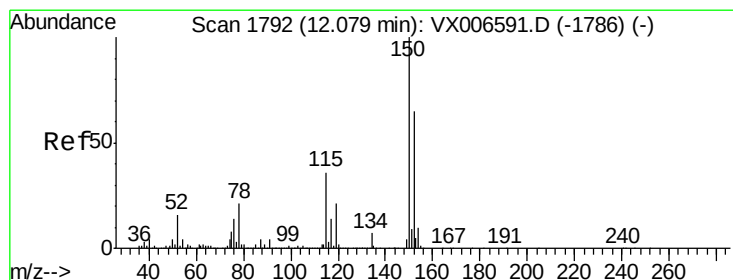
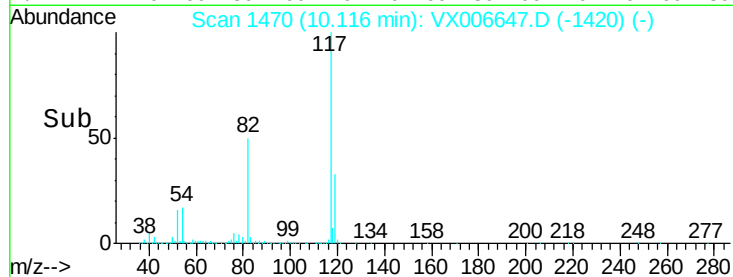
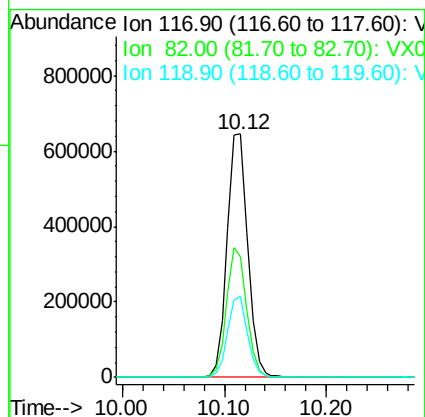
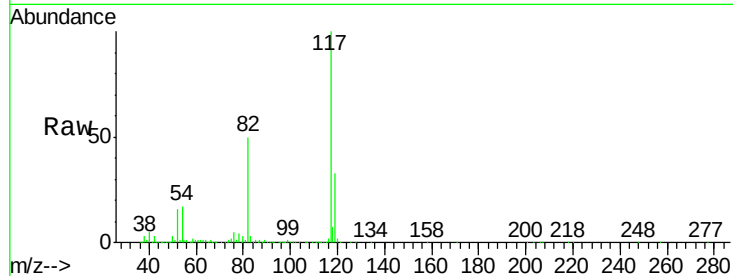




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006647.D
Acq: 19 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
DUP-1

Tot Ion:117 Resp: 905849
Ion Ratio Lower Upper
117 100
82 49.7 41.0 61.6
119 33.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006647.D
Acq: 19 Dec 2018 19:51

Tgt Ion:152 Resp: 431027
Ion Ratio Lower Upper
152 100
115 57.0 39.1 117.2
150 155.9 0.0 344.8

